Product Datasheet

Goat IgG (H&L) Antibody Fluorescein Conjugated Pre-Adsorbed (orb347030)

Catalog Number	orb347030
Category	Antibodies
Description	Goat IgG (H&L) antibody (FITC)
Clonality	Polyclonal
Species/Host	Donkey
Isotype	IgG
Conjugation	FITC
Reactivity	Goat
Form/Appearance	Lyophilized
Concentration	1.0 mg/mL
Buffer/Preservatives	0.01% (w/v) Sodium Azide
Purity	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Goat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Donkey Serum, Goat IgG and Goat Serum. No reaction was observed against Chicken, Guinea Pig, Hamster, Horse, Mouse, Rabbit and Rat Serum Proteins.
Immunogen	Goat IgG whole molecule
Tested applications	FC, FLISA, IF

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Dilution range	FLISA: 1:10,000 - 1:50,000, FC: 1:500 - 1:2,500, IF: 1:1,000 - 1:5,000
Application notes	This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
Antibody Type	Secondary Antibody
Storage	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Note	For research use only

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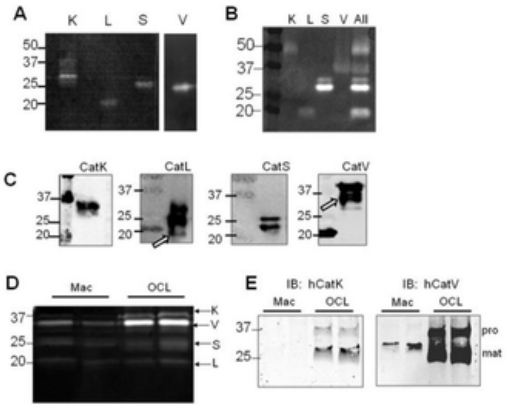

Western Blot results using Donkey Anti-Goat IgG FITC. Mature cathepsins K, L, S, and V are zymographically active and migrate at distinct electrophoretic distances A) Recombinant cathepsins K, S, and V (1, 20, and 50 ng) from E. coli and cathepsin L (50 ng) isolated from human liver were loaded for cathepsin gelatin zymography and incubated overnight in acetate buffer, pH6. The zymogram reveals zymographically active bands at different electrophoretic migration distances. B) Mature, recombinant cathepsins K, S, and V (10 ng) from eukaryotic expression systems and cathepsin L (50 ng) isolated from human liver were loaded separately and all in one lane (where indicated) for gelatin zymography assayed at pH6. C) Western blot analysis of 50 ng of recombinant glycosylated cathepsin K, L, S, and V from eukaryotic expression systems also were loaded for non-reduced Western blotting. D) Monocyte-derived macrophages and monocyte-derived osteoclasts were lysed and equal amounts of protein were loaded for cathepsin zymography and E) reduced, fully denaturing Western blotting for cathepsins K and V. Procathepsin (pro) bands are at ~37 kDa and mature (mat) cathepsin bands are at ~27 kDa. Increased cathepsins K and V were detected in the osteoclasts compared to the macrophages.

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